

REMARKS

This is intended as a full and complete response to the Office Action dated February 25, 2004, having a shortened statutory period for response set to expire on May 25, 2004. Please reconsider the claims pending in the application for reasons discussed below.

Claims 42 – 50 and 109 - 110 remain pending in the application and are shown above. Claim 46 has been cancelled by Applicants. Claims 42 – 50 and 109 - 110 are rejected. Reconsideration of the rejected claims is requested for reasons presented below.

Claims 46 stands rejected under 35 USC § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicants regard as the invention. Claim 46 has been canceled by the Applicants.

Claims 42-50 stand rejected under 35 USC § 103(a) as being unpatentable over Japanese Patent No. JP-59197127A (*Yamazaki*). Claims 109-110 stand rejected under 35 USC § 103(a) as being unpatentable over *Yamazaki* as applied to claims 42-50 above, and further in view of Applicants' admitted prior art. *Yamazaki* does not teach using two or more components for decreasing the conductivity of the amorphous silicon-based film as asserted by the Examiner because *Yamazaki* teaches either methane or ammonia as conductivity decreasing agents. The reference does not suggest using a combination of conductivity decreasing agents, although the reference lists several gases that may be used, without advocating using a combination. Therefore, *Yamazaki*, alone or in combination, does not teach, show, or suggest a conductivity decreasing volatile including two or more components for decreasing the conductivity of the amorphous silicon based film, as recited in claim 42, and claims dependent thereon. Withdrawal of the rejection is respectfully requested.

Applicants further traverse the rejection of dependent claims 43-45, 47-50, and 109-110 on grounds that they depend on allowable subject matter. Withdrawal of the rejection is respectfully requested.

In conclusion, the references cited by the Examiner, alone or in combination, do not teach, show, or suggest the invention as claimed.

Having addressed all issues set out in the office action, Applicants respectfully submits that the claims are in condition for allowance and respectfully request that the claims be allowed.

Respectfully submitted,



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